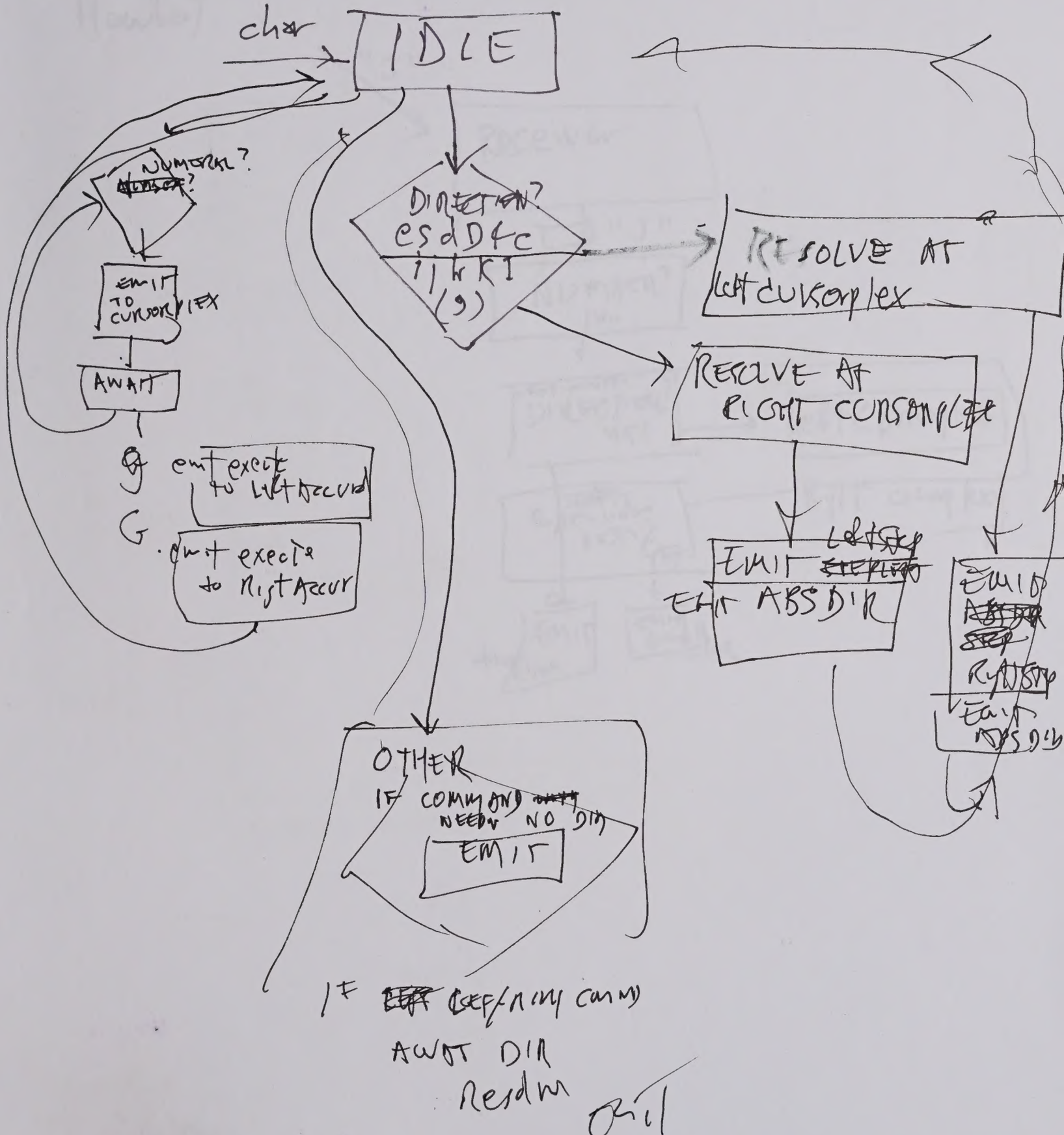
STS 15.0201

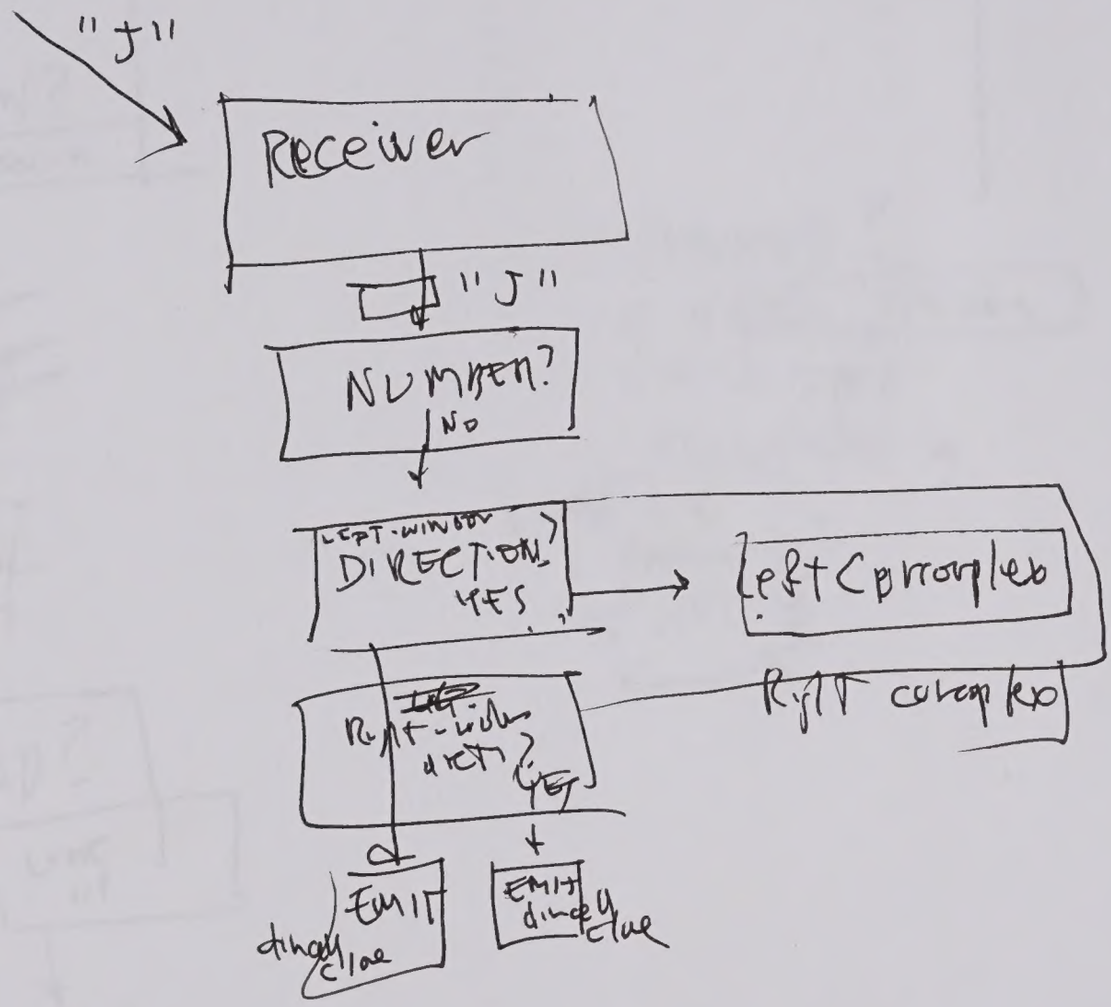
Z2 COMMAND INTERPRETER

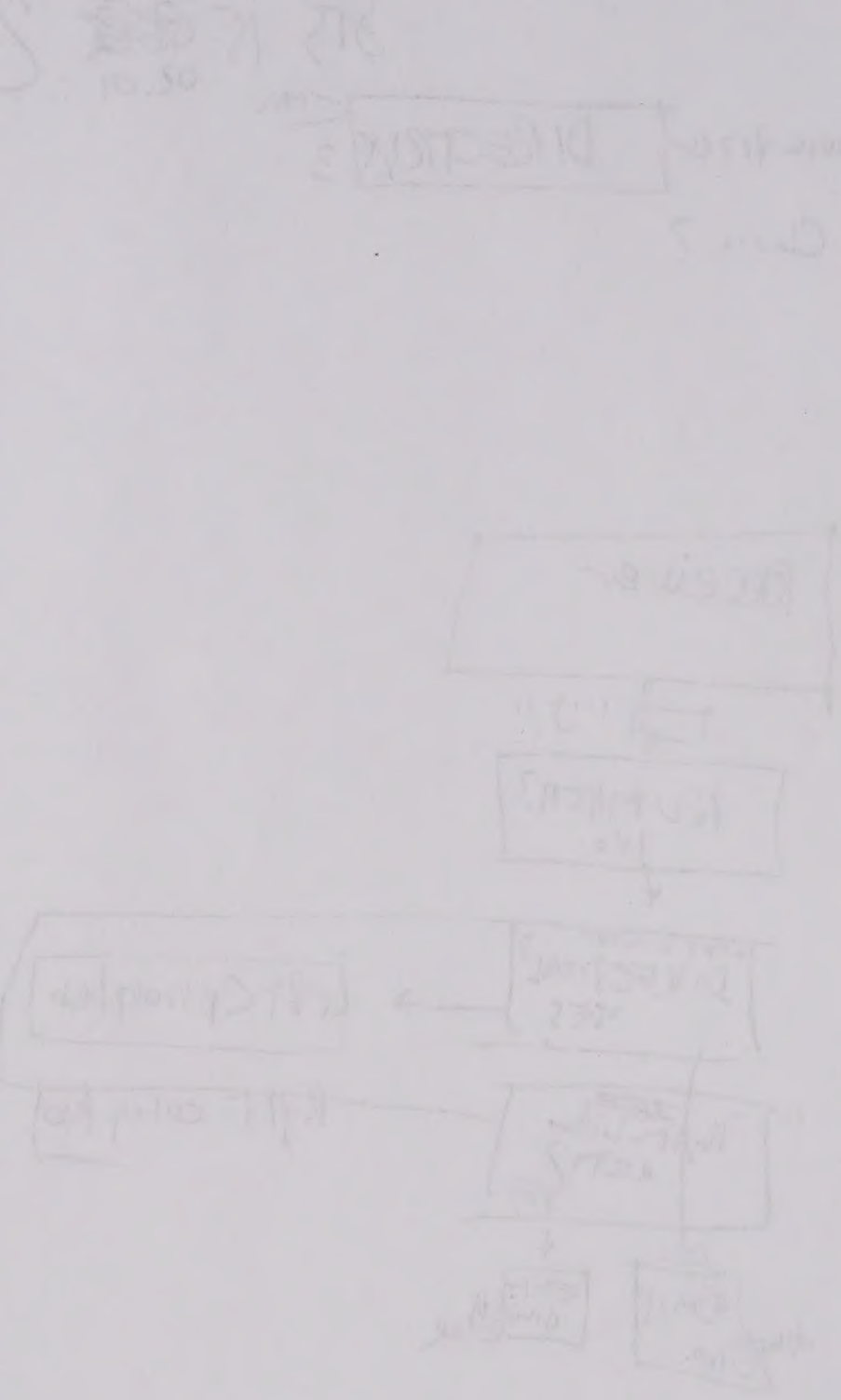


STS 15. 02.01 2

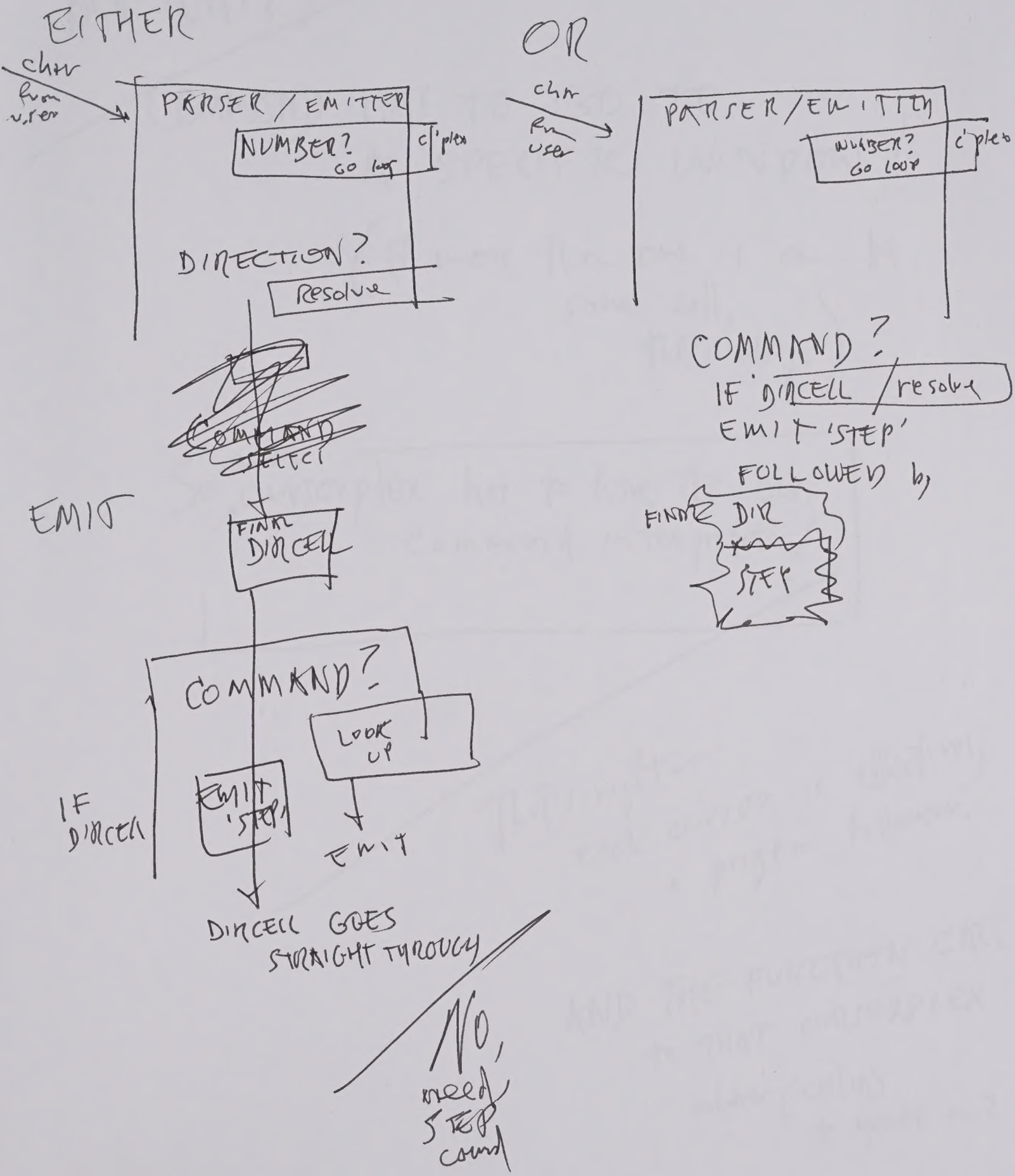
But how put Direction-Normalizer into the Command Chain? DIRECTRIX

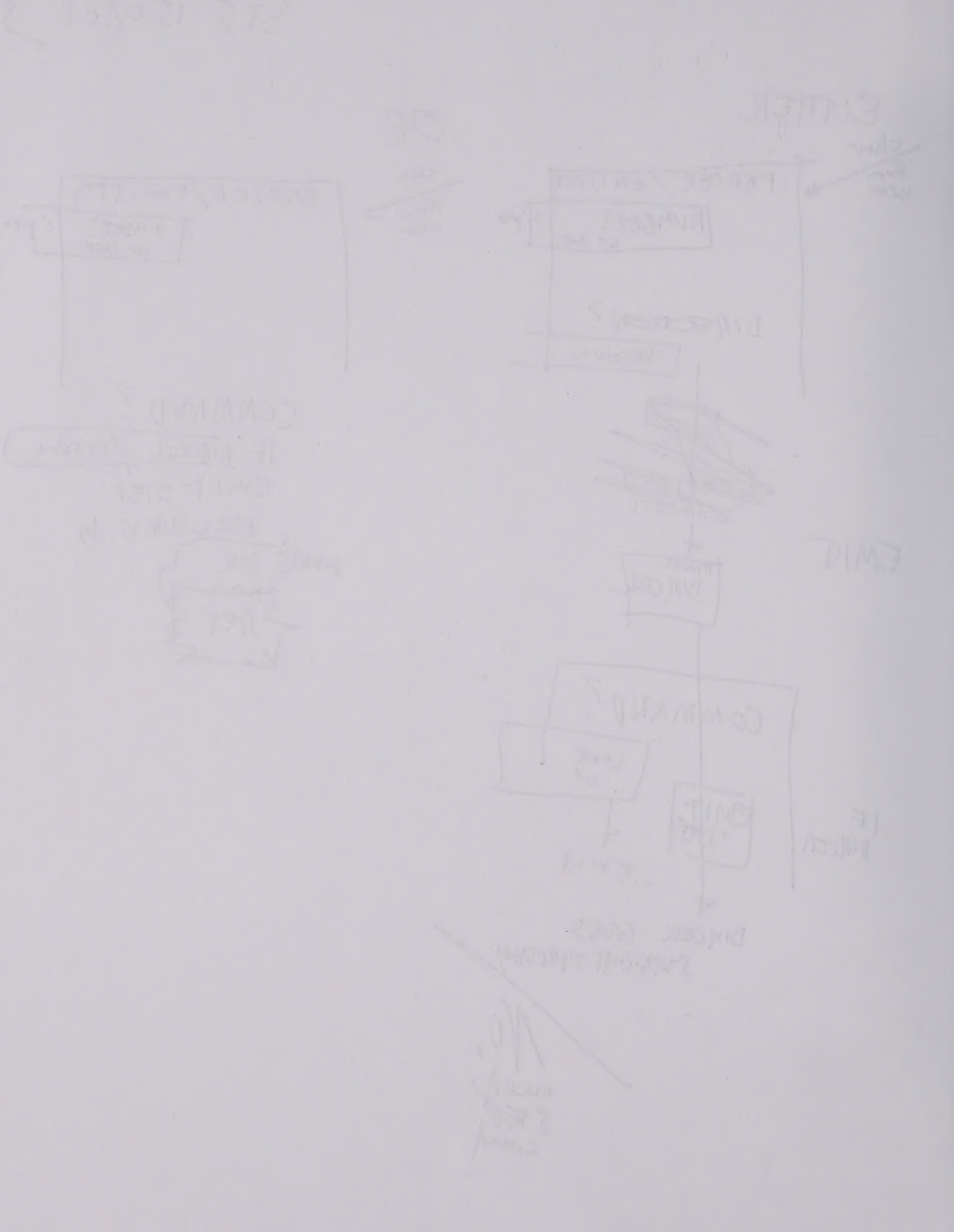
Howbout





STS 15.02.01 3


EITHER
char from user
PARSER / EMITTER
NUMBER? GO LOOP
c'plex
DIRECTION?
Resolve
COMMAND?
EMIT
FINAL DIRCELL
COMMAND?
LOOK UP
IF DIRCELL
EMIT 'STEP'
EMIT
DIRCELL GOES STRAIGHT THROUGH
NO, need STEP count
OR
char from user
PARSER/EMITTER
NUMBER? GO LOOP
c'plex
COMMAND?
IF DIRCELL / resolve
EMIT 'STEP'
FOLLOWED by
FINAL DIR
STEP



BUT WAIT!

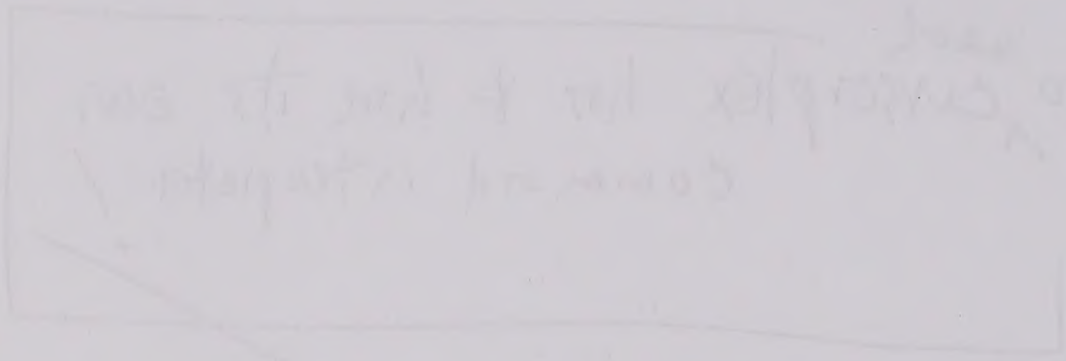
COMMAND HAS TO GO TO
A SPECIFIC WINDOW!

(If more than one is on M
some cell,
that's okay.)

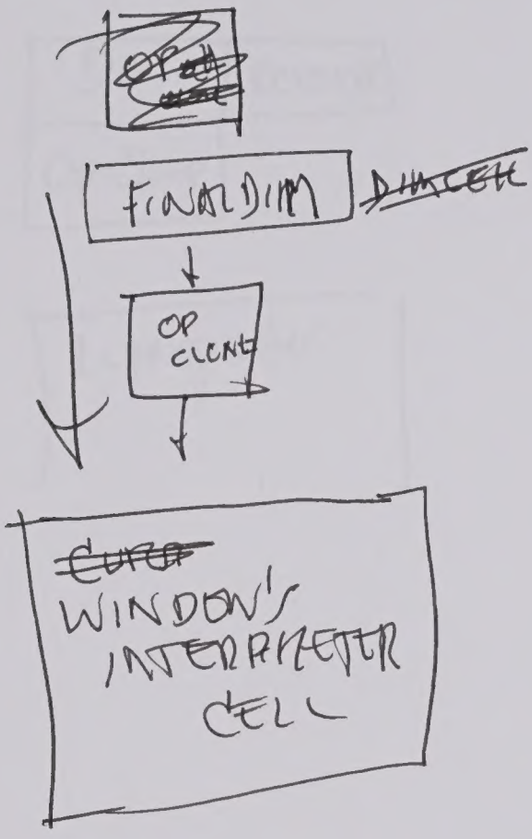
So each cursorplex has to have its own command interpreter!

That's right—
each cursor is effectively
a program follower.

AND THE FUNCTION CALL
TO THAT CURSORPLEX
whatever (cell(n))
to operate on?



No —— it's



~~this has only to do~~

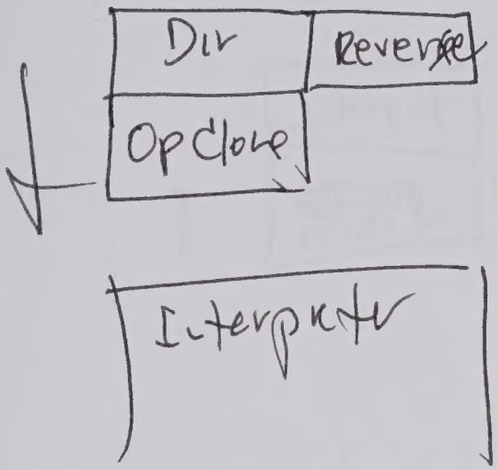
Internally =
FUNCTION CALL OF OP
opname(dim)

BUT HOW WILL
THAT WORK
WHEN
THERE CAN BE
TWO
DIRECTN'S

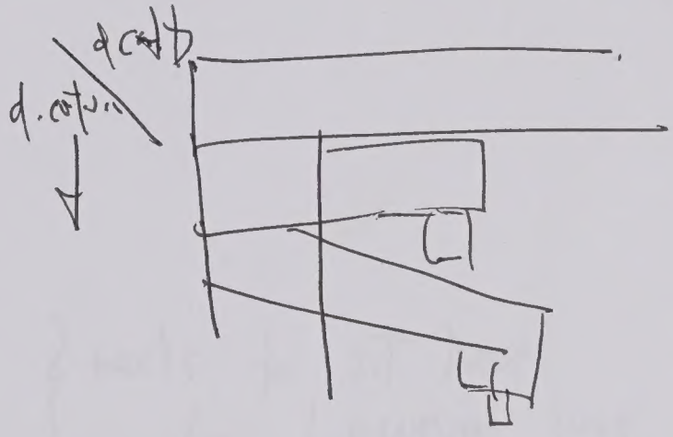
Digitized by the Internet Archive
in 2025

https://archive.org/details/t22commandinterp00tedn

I had thought it would be

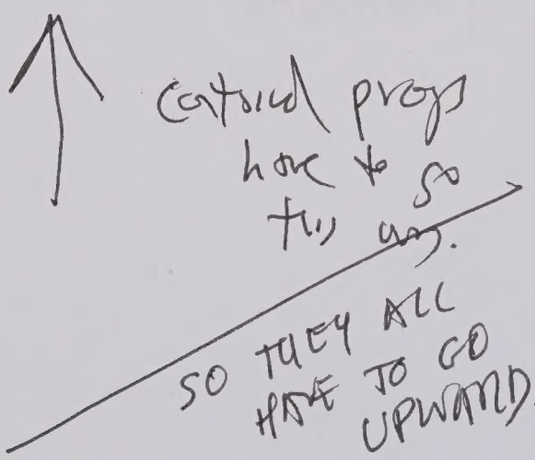


~~BUT~~ BY ANALOGY WITH FORTHCOMING PROGRAMS IN D. CONTAIN



~~Alas~~

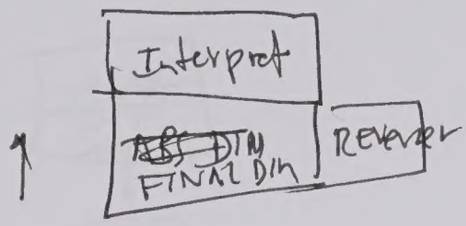
Except, Oops —



SO THEY ALL HAVE TO GO UPWARD.

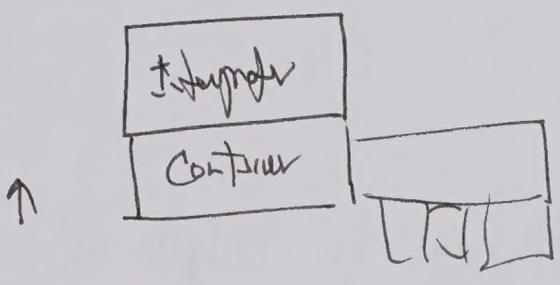
SAS 15.02.01 7

I had thought the Cpclose would be EATEN by the interpreter,



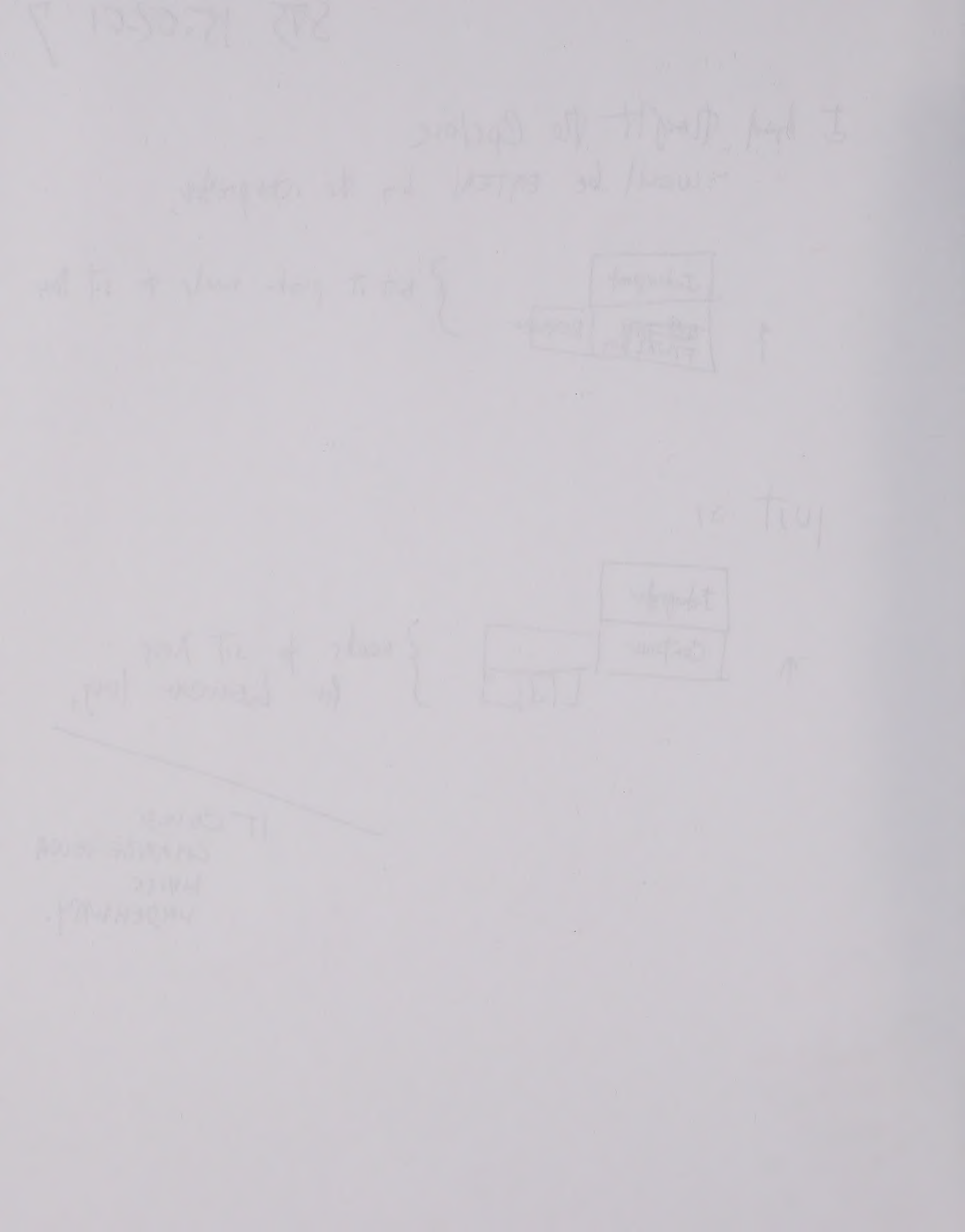
} But it prob. needs to sit here

just as



} needs to sit here for however long.

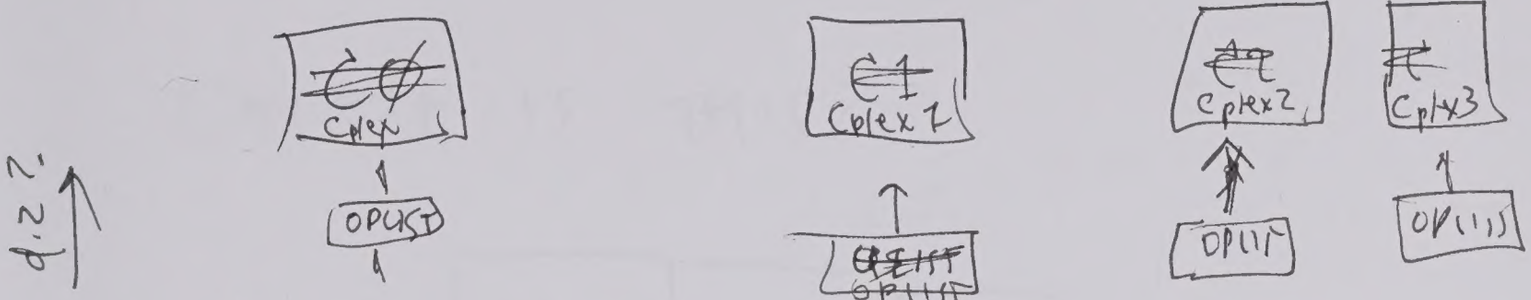
IT COULD CHANGE COLOR WHILE UNDERWAY.



ST 15.02.01 8

CURSORPLEXES

O(1d) 1 (vgl H) 2. 3 ...

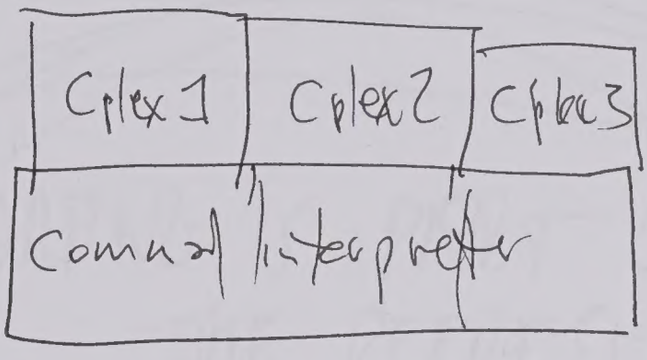


Does ~~it~~ present itself in the geography as a CELL?
cursorplex

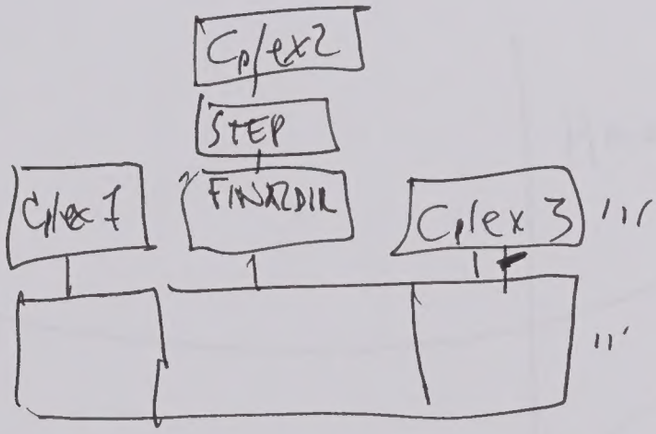
So Oplist is emitted UPWARD.

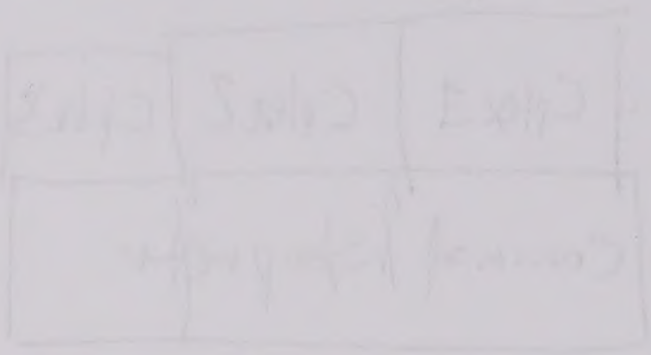
Possibly the command interpreter is a style user which fires the OPs of FINDDIR to the appropriate cutprocess —

EXACTLY IS THIS?



Somehow fires to the right one



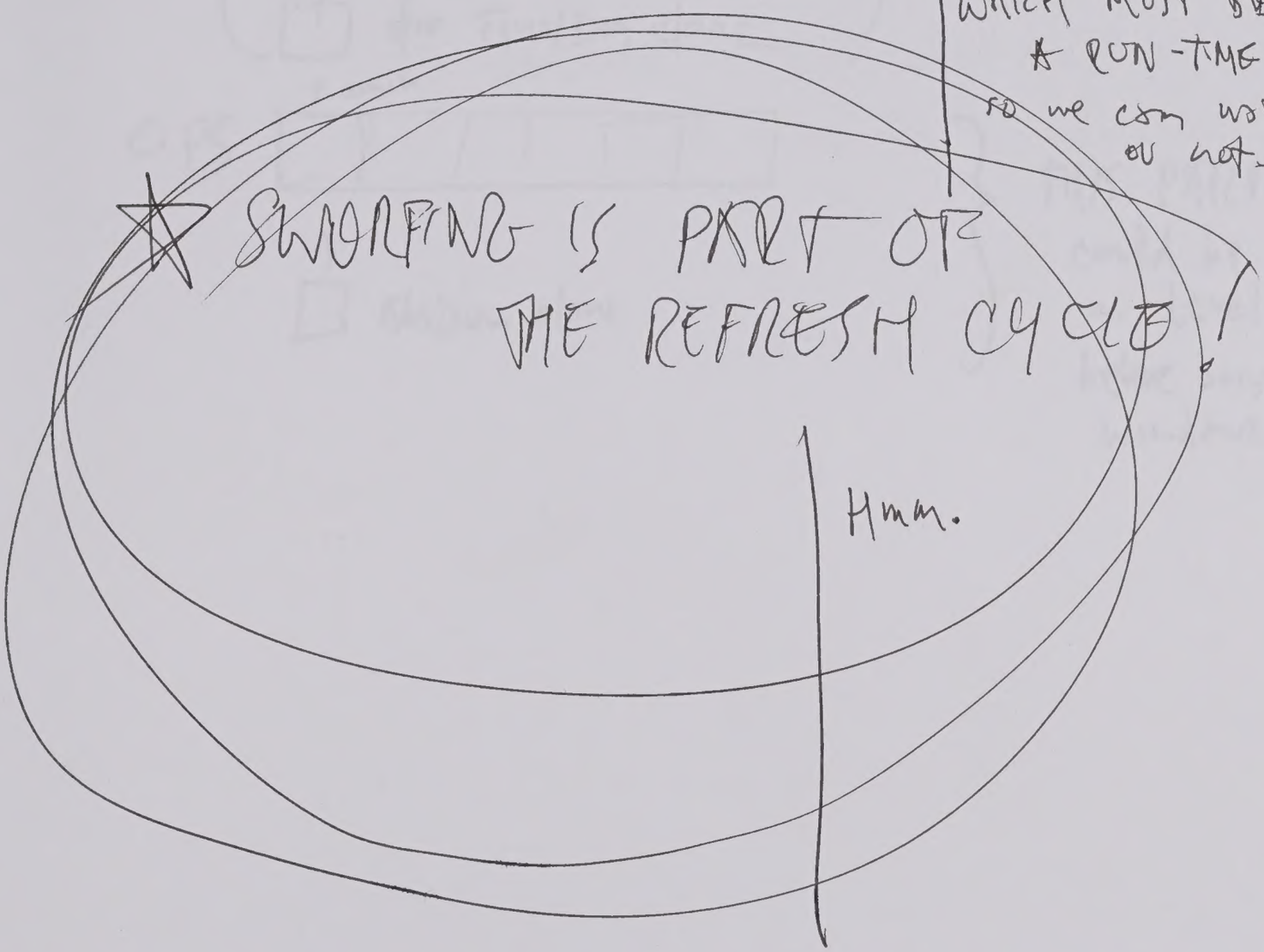


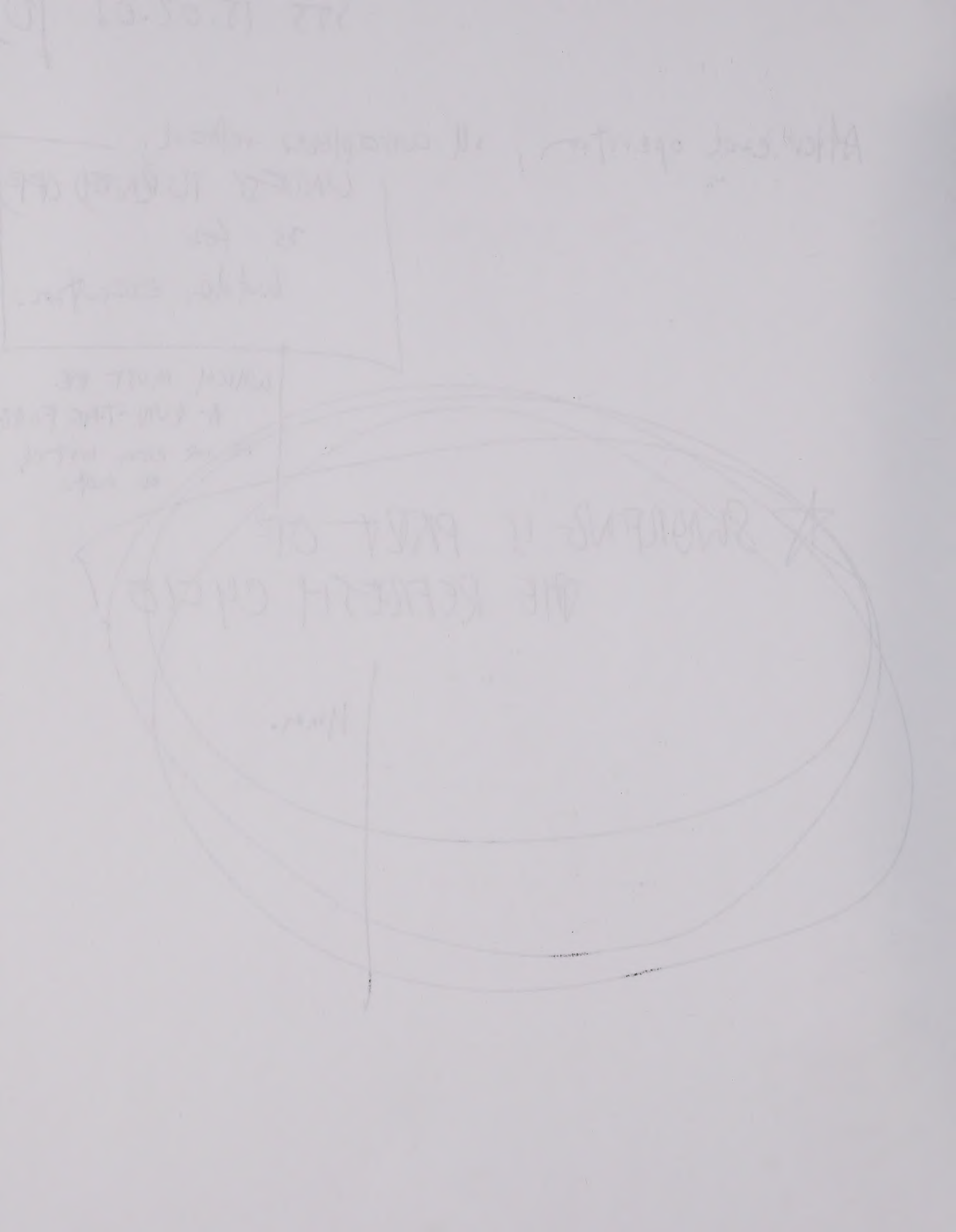
SDS 15.02.07 10

After each operation, all cursorplexes refresh,

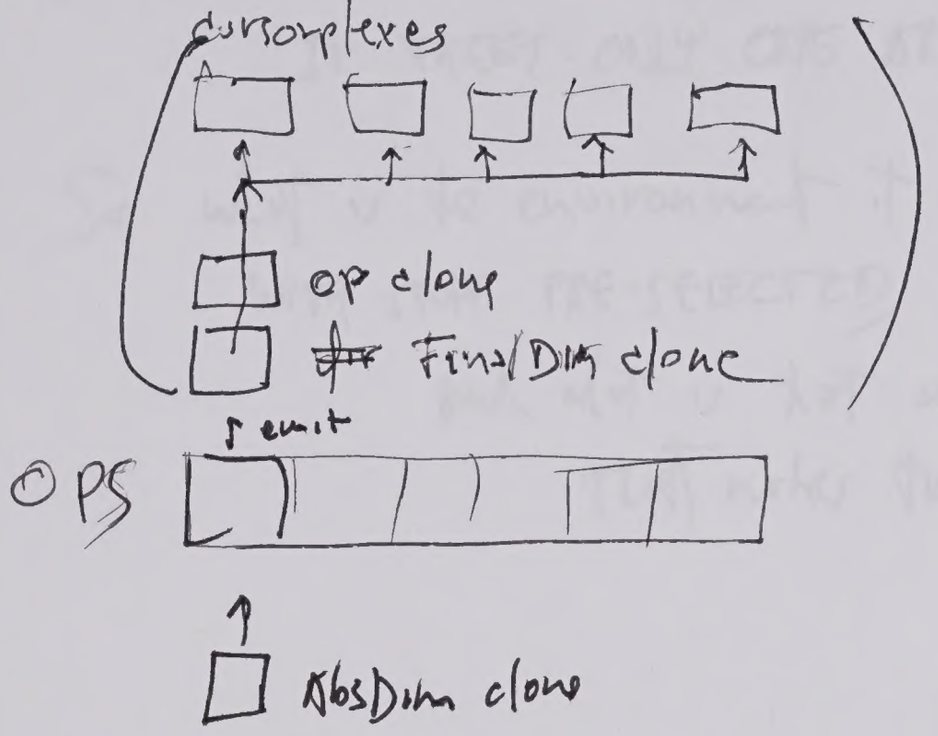
UNLESS TURNED OFF
as for
hidden exception.

WHICH MUST BE
* RUN-TIME FLAG,
so we can watch
or not.

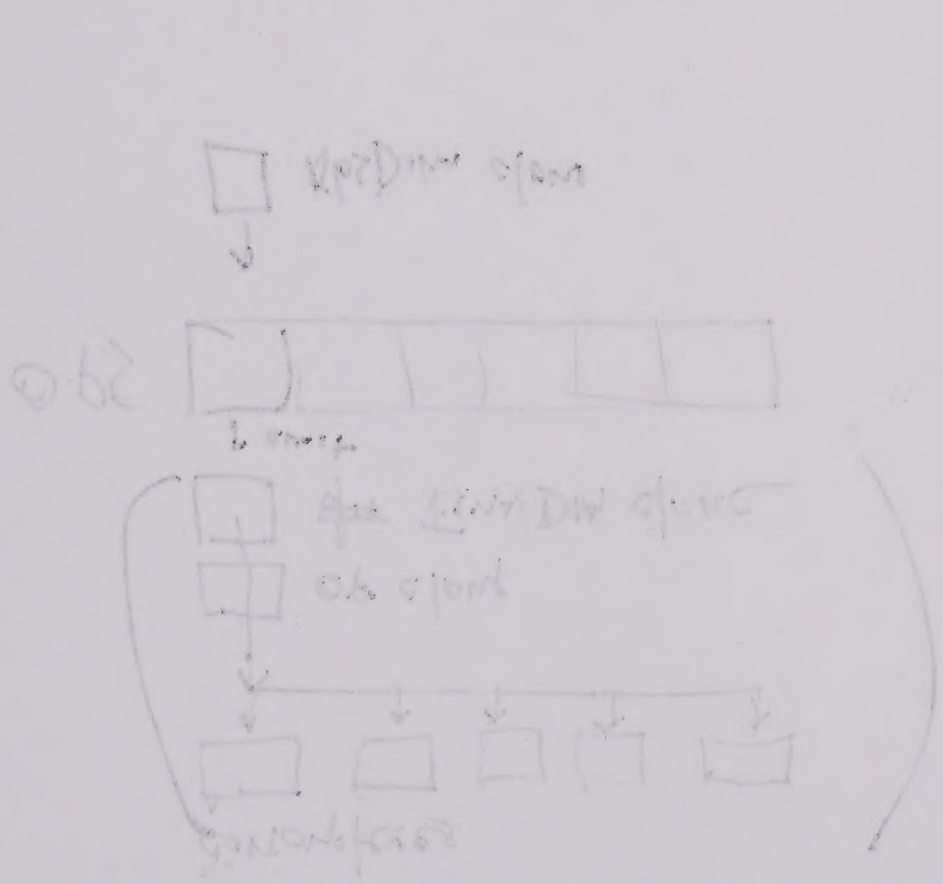




[idea for Sri Rahul today]



} THIS PART could be in Level 0, before any windows.



SAS 15.07.03 2

IF OP IS A PYTHON FUNCTION,
IT TAKES ONLY ONE ARGUMENT.

So what is the environment it goes into,
WITH STUFF PRE-SELECTED,
and what is that argument
that makes the final selection?

BR 15.05.05 2

SJS 15.02.03 3

So the choices seem to be —

INTERPRETATION OF FLYING CELLS | Possible Middle Method

STRAIGHT PYTHON

which is probably the RIGHT Thing.

Meshing XT

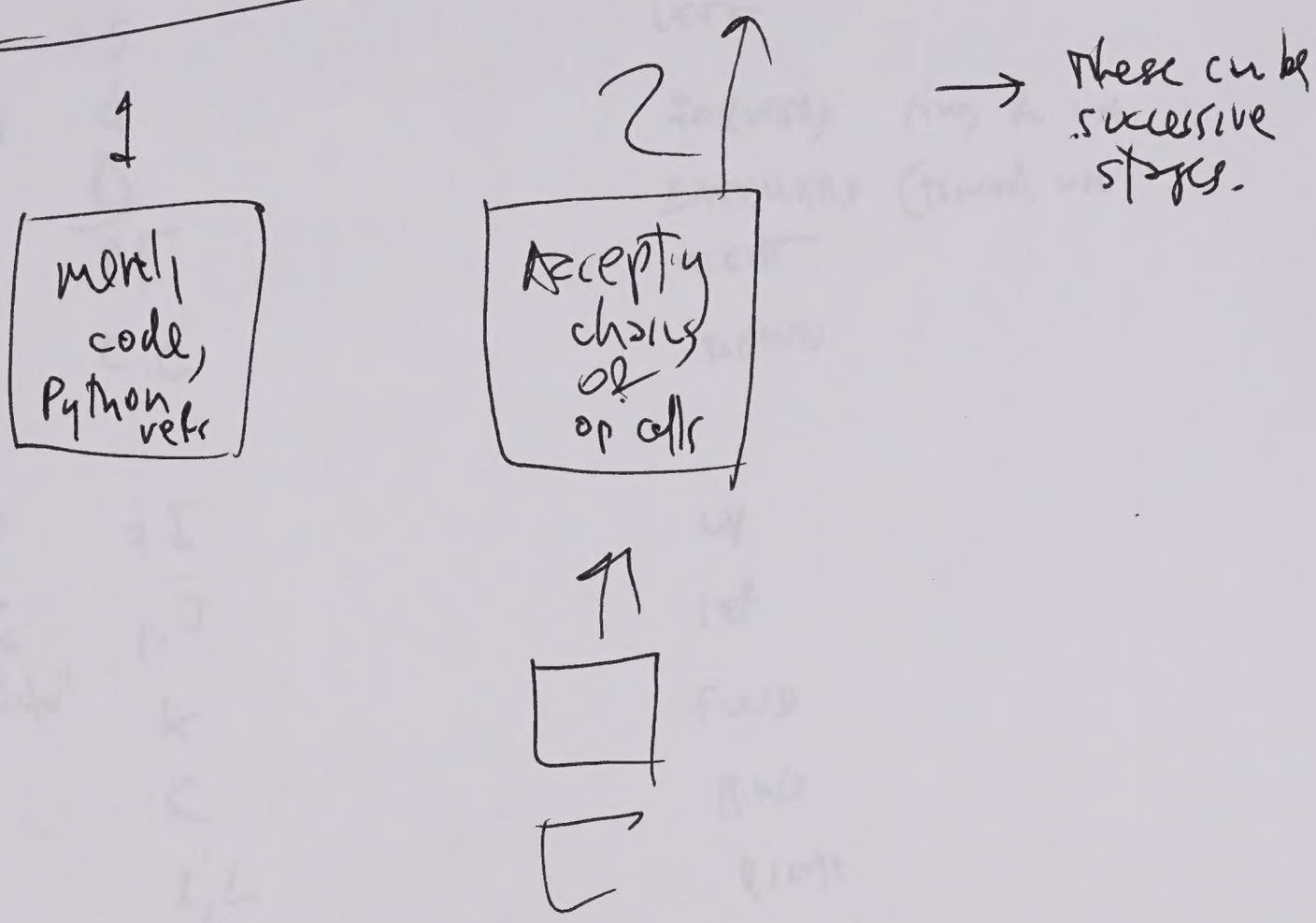
Dragonwheel
w Viewwheel

or

Secretly Read
by Python,
write the
cells exchanged.

Problem
Main
Method

TZZ EXECUTABLE CELLS CLARIFIED.



STS 15.07.09 2

RESOLVEDIRKEY

		RETURN
IF THERE SET MULTIPLEX WINDOW "LSTWNDW"	e E	UP
	S S	LEFT
	d	FORWARD (away from user)
	D	BACKWARD (toward user)
	F F	RIGHT
	C.C	DOWN
IF OUTSIDE SET CURRENT MULTIPLEX WINDOW "RightWindw"	i I	up
	J, J	left
	k	FWD
	K	BWD
	L, L	RIGHT
	(,)	DOWN
	↑	Up
	←	LEFT
	→	RIGHT
	↓	DOWN

SJS 15.02.09 J.

STEP

To currplex
MOVE CURSOR IN DIRECTION

~~CURS~~

~~CURSO~~
CURSORPLEX

UP is converted to +d.wRow

SAS 15-02-10

What goes to do curriplex?

UP, LEFT, FWD, BWD, RIGHT, DOWN

Curriplex replies or finds out:

FORWARD / NEGWARD

ON D. whatever

THIS GOES TO OPERATION,

WHICH CREATES NEW SITUATION.

~~THIS IS REFRESHED~~

CURSOR MAY BE RECOCATOR

REFRESH.

INSIDE ANS OP

.ResolveDir("left")

or

ResolveDir("↑") returns ~~"-1."~~ "-1.1"

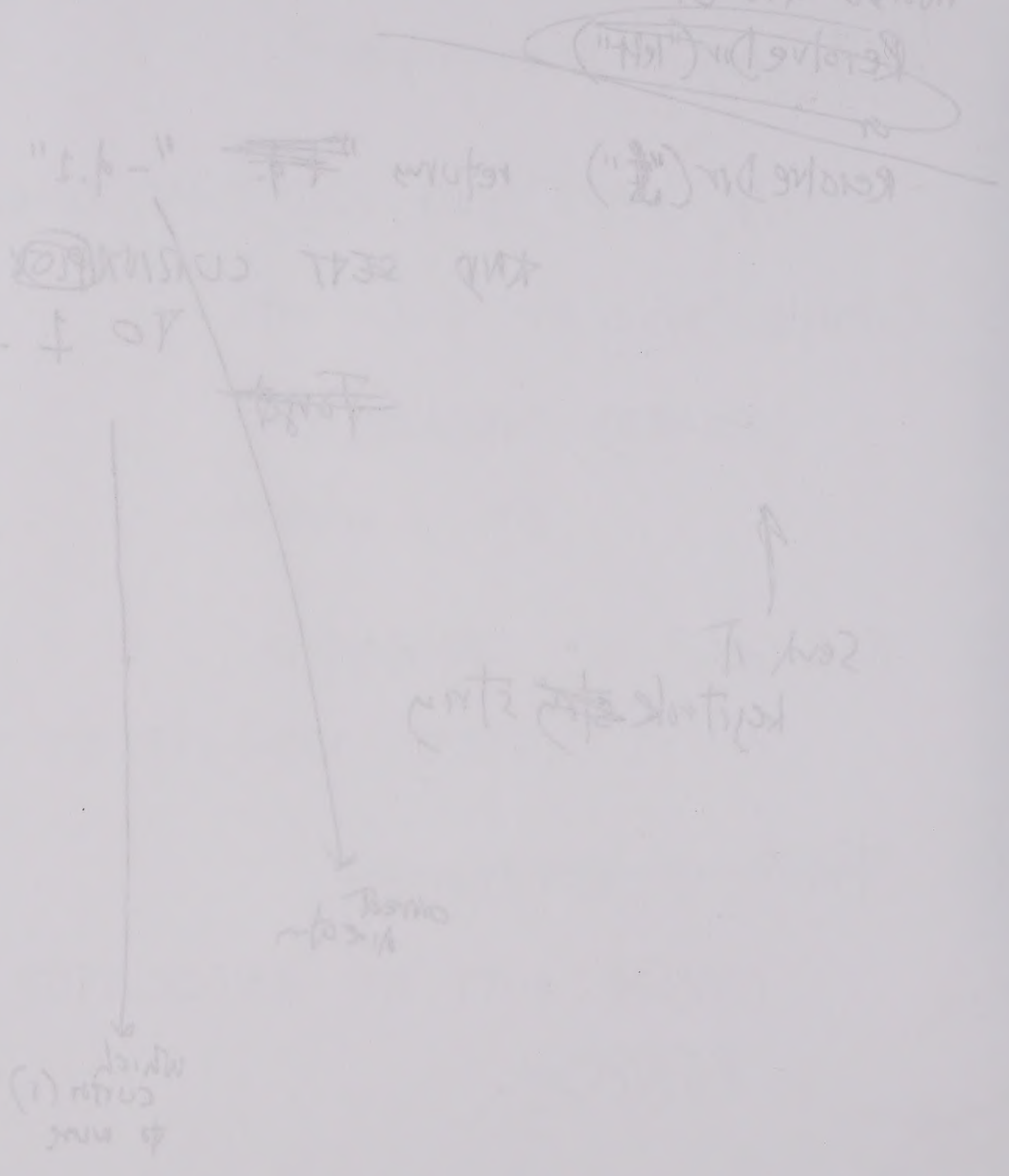
AND SETT CURRENT POS TO 1.

~~Forget~~

Send ↑ keystroke ~~string~~ string

correct direction

which cursor (1) to move



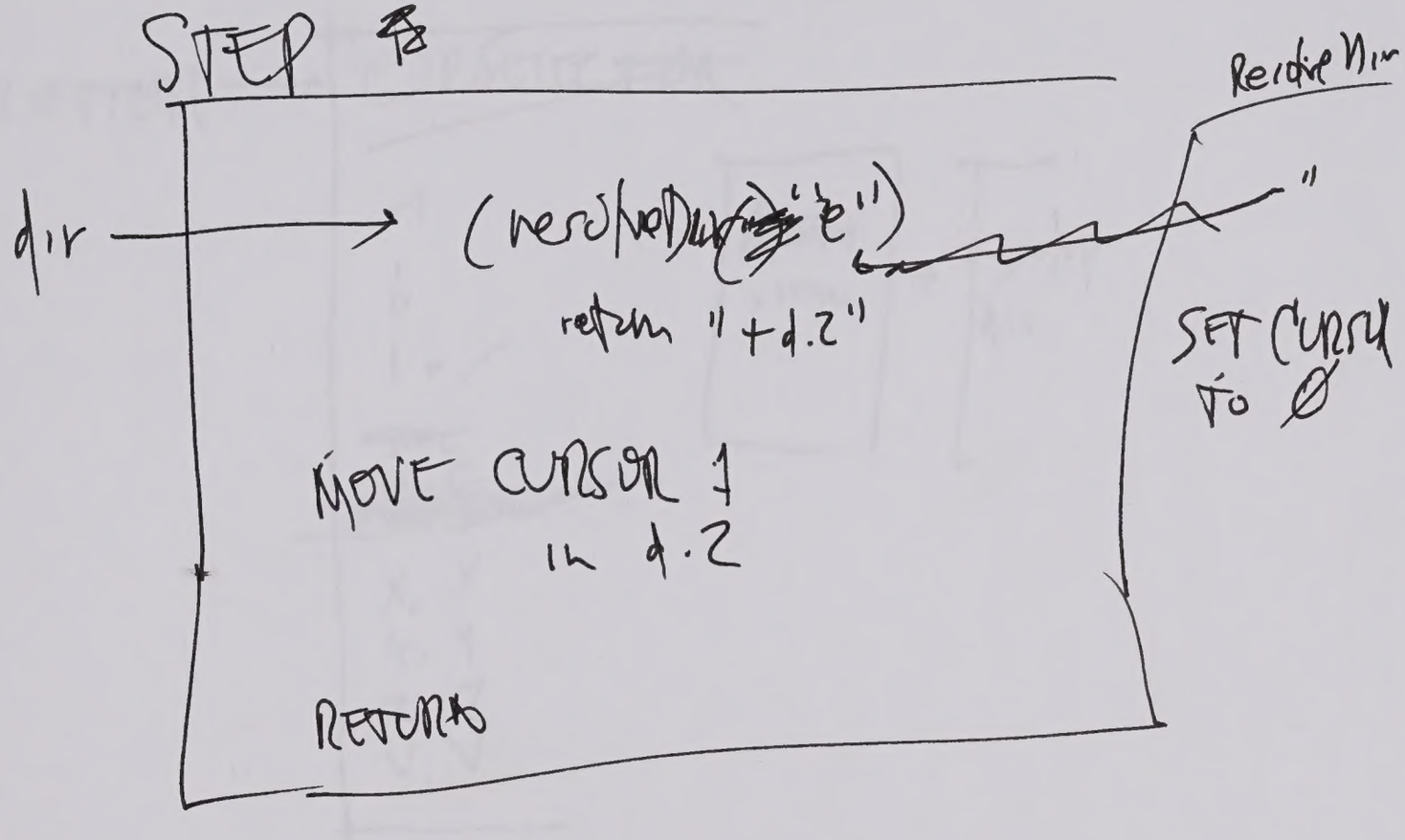
SFS 15.02.10 5

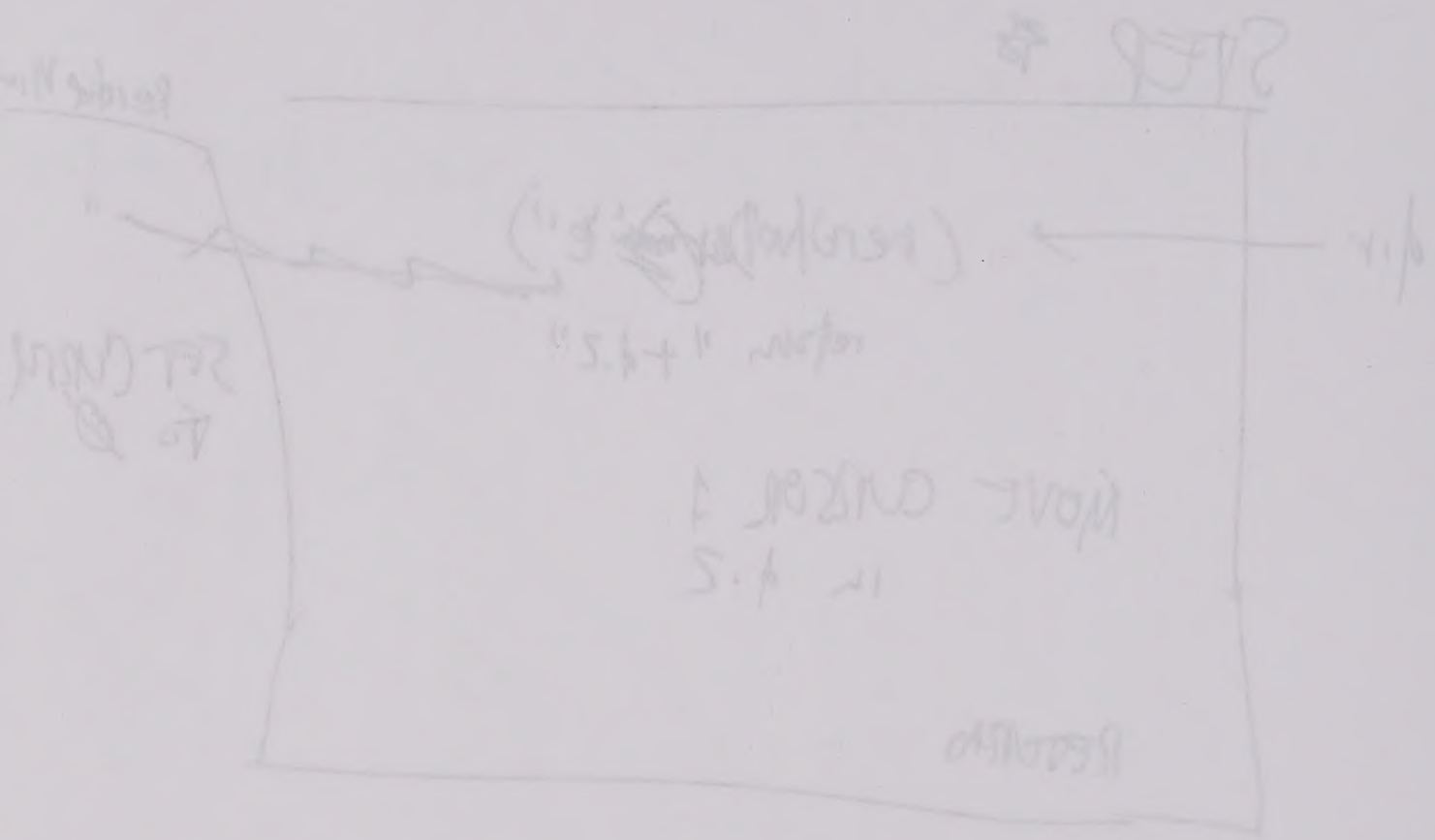
CR, for generality,
SHOULD WE HAVE

Resolve Direction (UP) 4m
some other routine?

Nash.

So for example STEP ↑

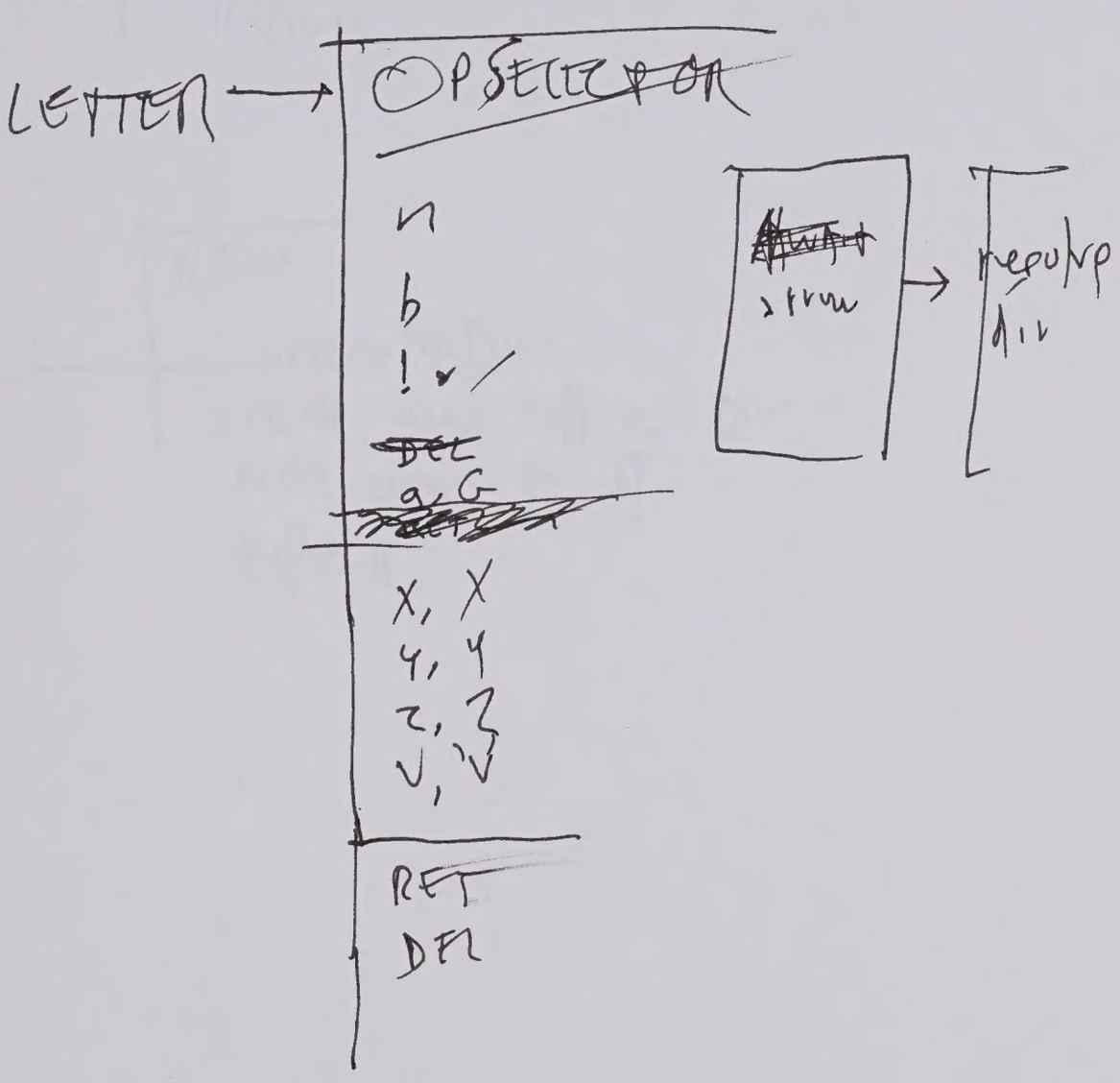


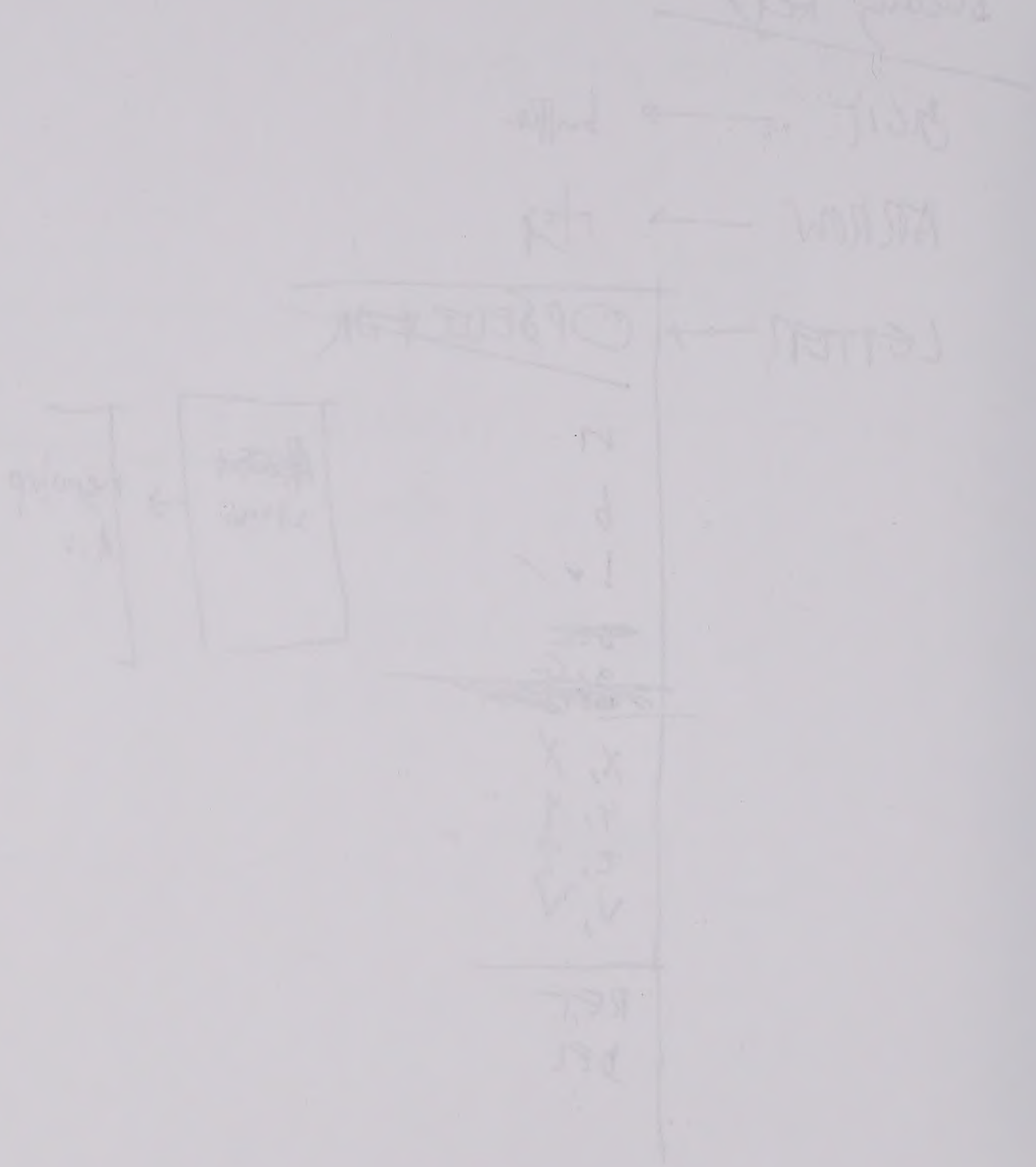


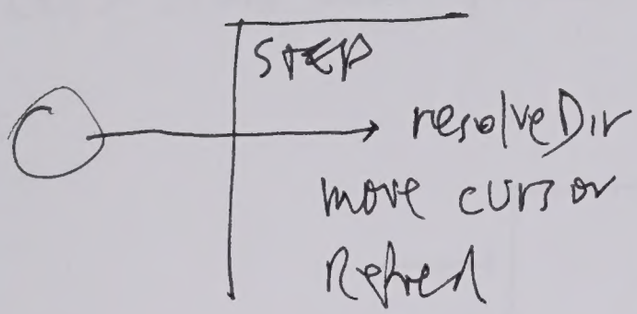
Incoming keys

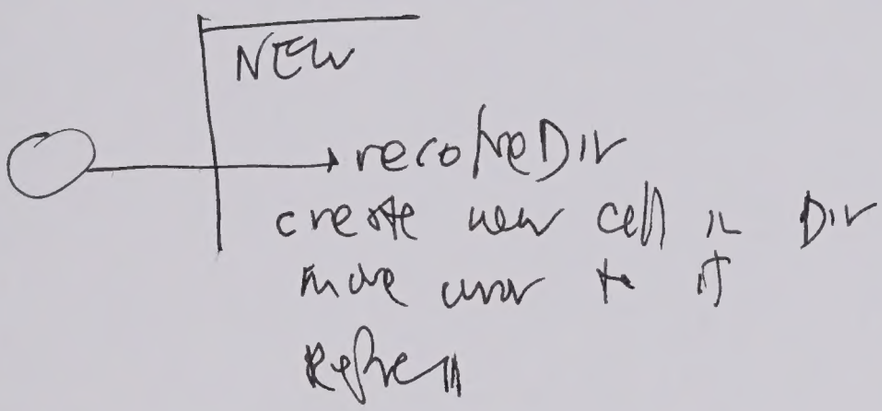
DIGIT ⟶ buffer

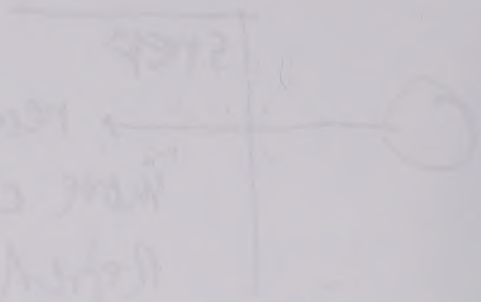
ARROW ⟶ stop



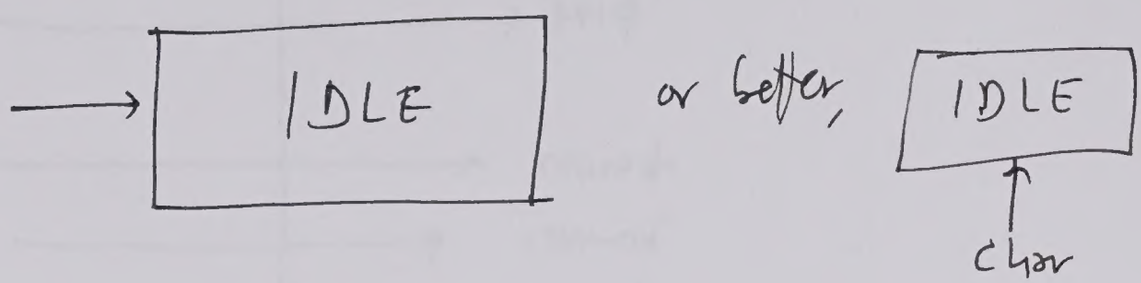


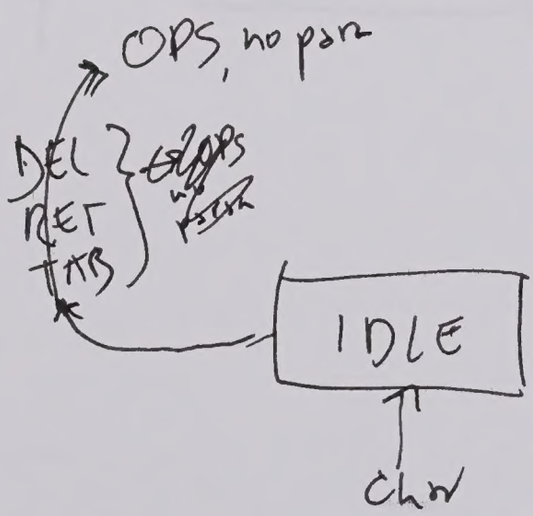

STEP
resolveDir
move cursor
Refresh


NEW
resolveDir
create new cell in Dir
move curs to it
Refresh



Let's start over (from STS 15.02.01 p1)

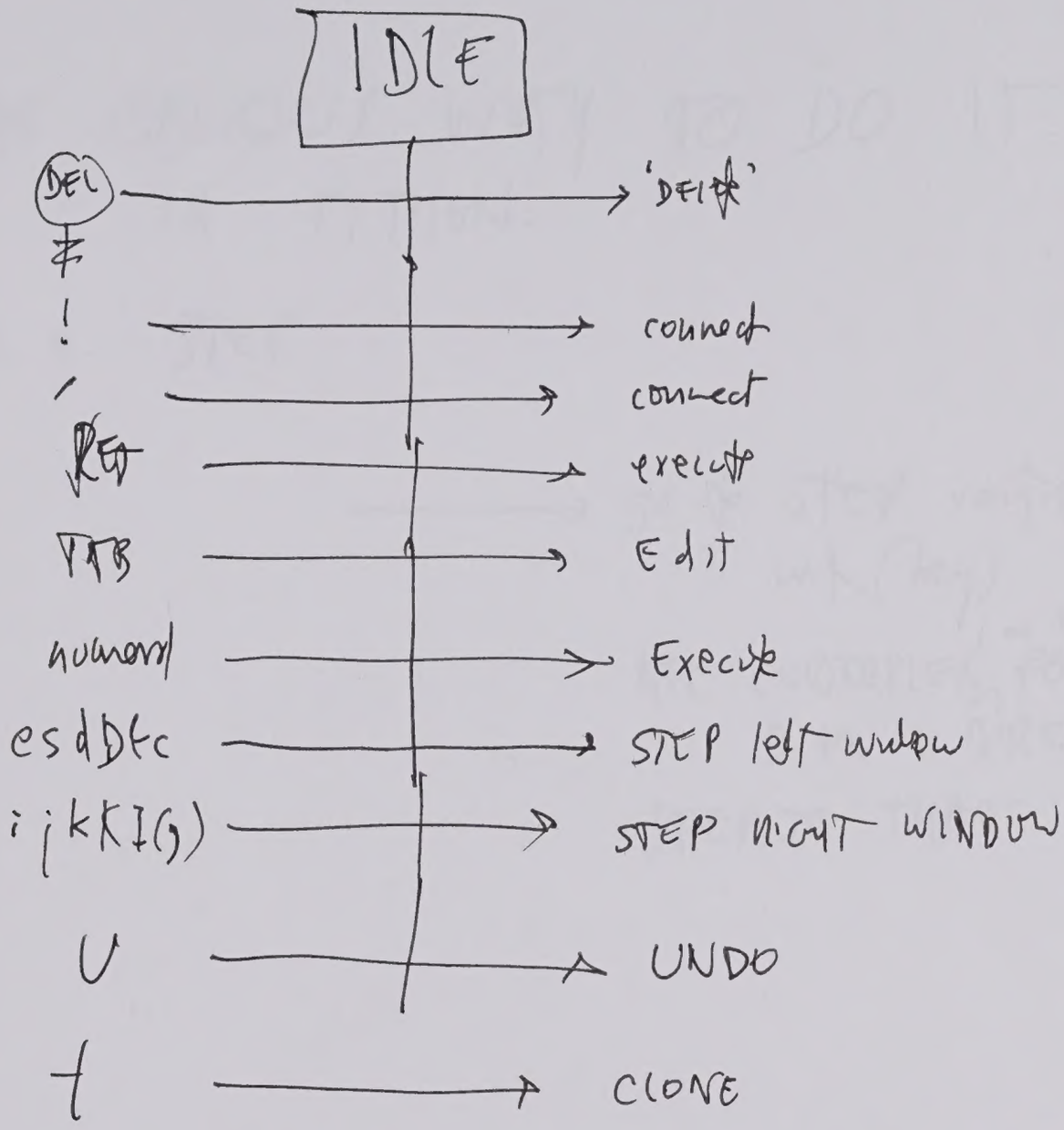


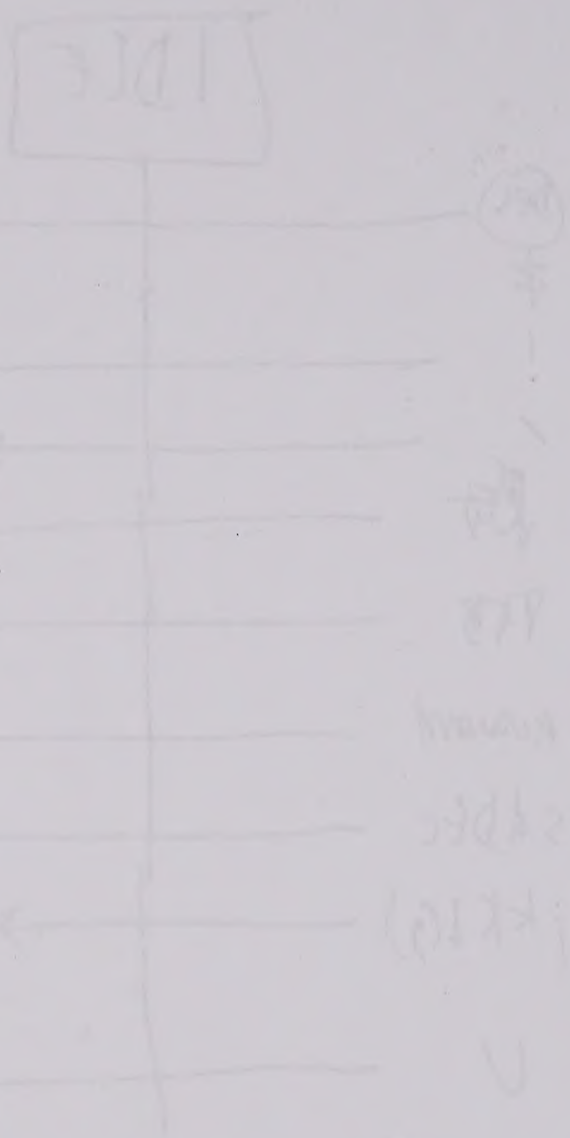


Let's try
>> lollipop

IDLE
IDLE

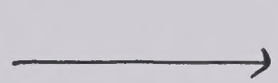
SBS 15.02.10 8


IDLE
DEL
'DEL'
connect
connect
execute
Edit
Execute
STEP left window
STEP RIGHT WINDOW
UNDO
CLONE



THE OBVIOUS WAY TO DO IT IN PYTHON.

E.g. STEP



go to STEP routine
ask(key)
ASK CURSORPLEX, 1 or 2 FOR DIM & DIRECTION
STEP TO THAT CELL

SIS 15.02.10 10

(Obvious method)

STEP routine receives key

(func: KEY BECOMES DIM & DIR)

STEP IN DIM & DIR

REFRESH ~~USING~~

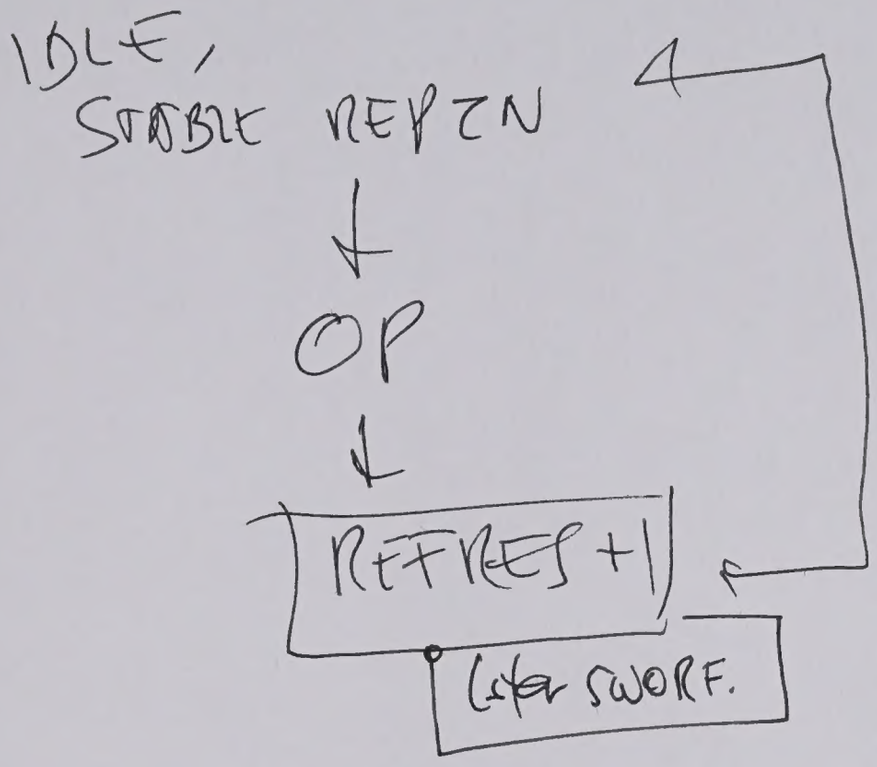
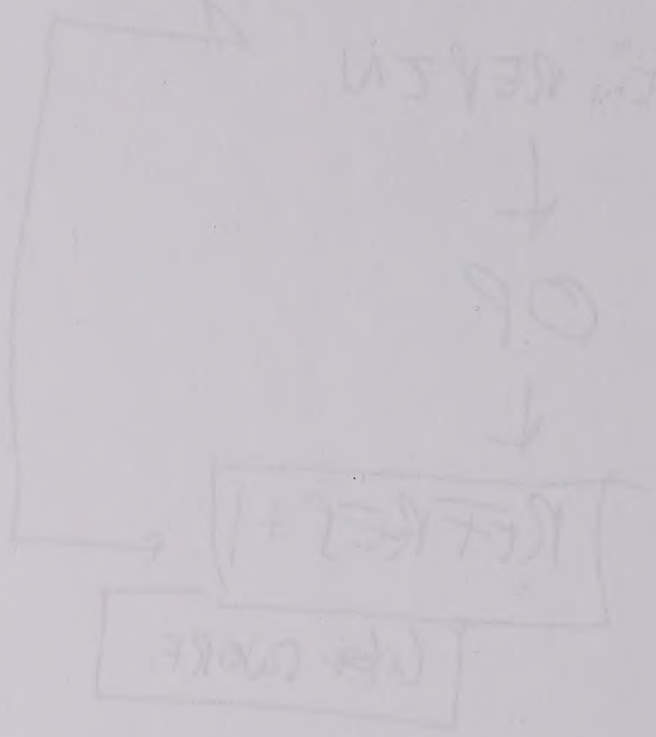
~~DIM & DIR~~

OF ~~THAT~~ WIN

BOTH WINDS

GTS 15.02.10 11,

HOW WE BEGIN

REPCN

SIS 15.02.13